A New Digital Flagship for Agriculture

AGRAS T30

A New Flagship for Digital Agriculture

With a 30 liter spraying tank, the DJI Agras T30 takes aerial spraying efficiency to new heights. A revolutionary transforming body enables more effective spraying, especially for fruit trees. Using DJI digital agriculture solutions, the T30 helps reduce fertilizer use and increase yield with effective, data-driven best practices.

TRUE TECH MACHINERY CO.,LTD.
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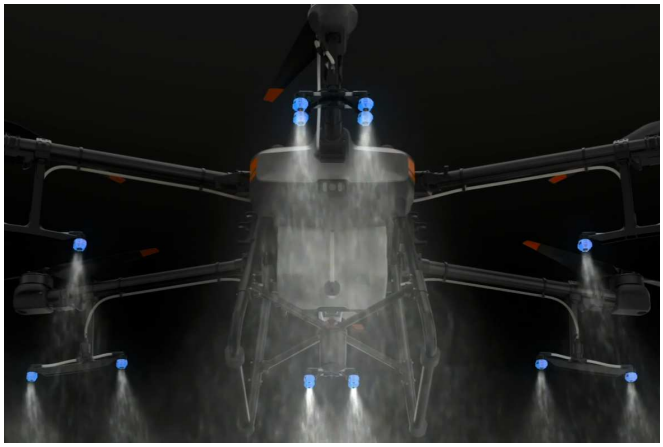
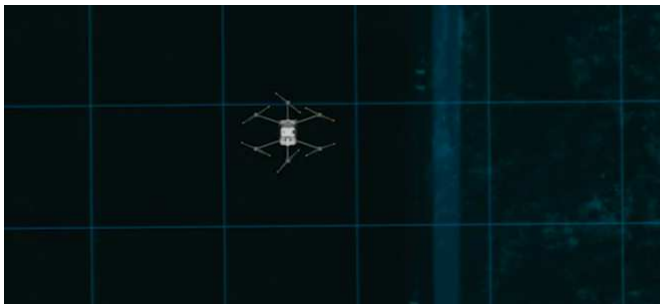
16 Spray Nozzles Provide Extensive Coverage

with even distribution, strong penetration, and exceptional drift prevention.

A 16-nozzle layout further improves droplet penetration. Eight sets of solenoid valves enable independent variable frequency control and spraying in turn. The horizontally opposed six-cylinder double plunger pump design provides strong spraying power and a high flow rate of up to 8 liters per minute.



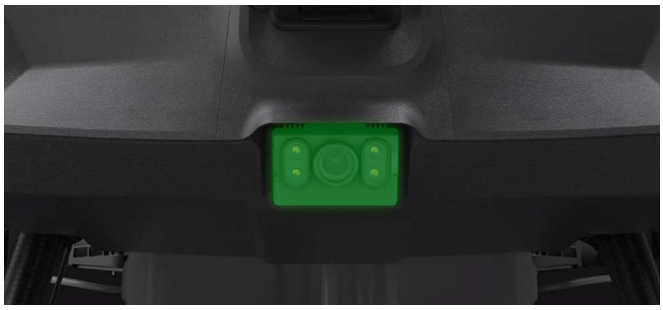


40 Acres Per Hour

Equipped with a large 30kg spray tank, the Agras T30 has a spray width of 9 meters, and field spraying efficiency of 40 acres/hour, 33.3% more than its previous generation.

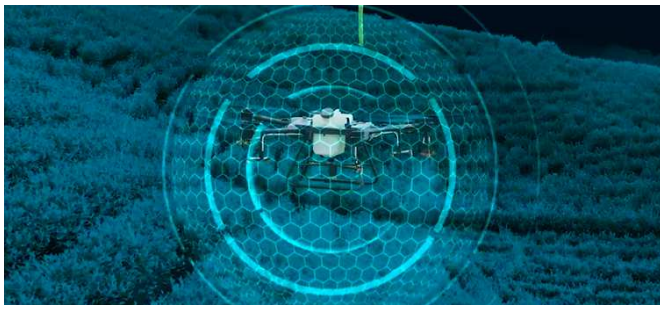
Dual FPV Cameras for Improved Awareness

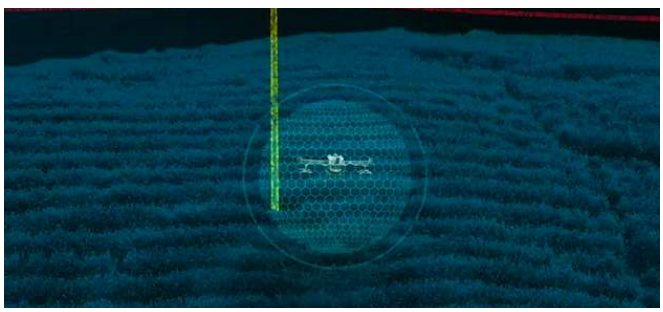
Equipped with dual FPV cameras, the Agras T30 provides clear front andrear views and lets you check flight status without needing to turn the aircraft mid-flight. And a bright searchlight doubles the aircraft's night vision capabilities, creating more nighttime operation possibilities.

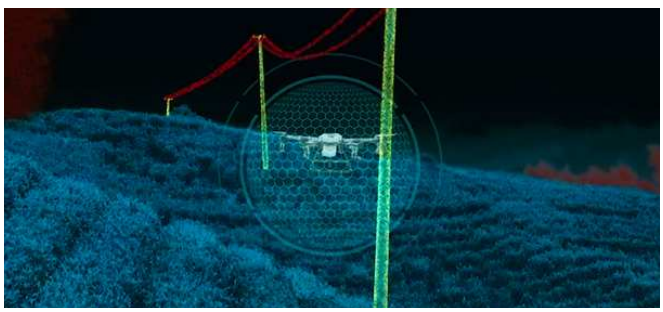


Eliminate Blind Spots with a Spherical Radar System

The spherical radar system perceives obstacles and surroundings in all environments, weather conditions, and viewing angles, regardless of dust and light interference. Automatic obstacle avoidance and adaptive flight functions help ensure safety during operation.







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Designed for Long Term Service

The Agras T30 control module has a fully enclosed structure for added durability.
All critical components have three layers of protection and are
IP67 rated. Ideal for long term use of pesticides and fertilizers, and to resist dust and corrosion.

Flexible Folding for Convenient Transportation

The Agras T30 can be folded by 80%, making it easier to transport. This folding mechanism uses quick-snap locking,
redundancies, and an in-app alert to help ensure safe operation.

Autonomous Operation with Optimal Route Planning

The new intelligent route mode independently plans the best route for each operation. A gauge indicates
the remaining liquid payload amount and estimated time until refill in real-time, letting operators strike the perfect balance between
payload and battery life. The aircraft also supports automatic edge sweeping for extensive spray coverage and easier aerial operation.

Smart Tank Refill Alert

Automatic Edge Sweeping Mode

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Ultrabright Screen / Ultimate Control

An updated remote controller supports stable image transmission from up to 5 km away, 67% more than the previous generation. A bright 5.5-inch screen delivers clear visuals , even in harsh lighting conditions. For increased productivity, one remote controller can operate multiple drones at once. The standard RTK high-precision positioning module implements centimeter-level operation planning. Additional enhancements include stronger signaling, anti-interference, and operational stability. The new DJI Agriculture app provides a smooth user experience and more intuitive operation.

Two Batteries + Charger for Continuous Operation
1,000 cycles for 4,942 acres

With fewer supporting components needed, the Agras T30 is easier to transport. A newly designed intelligent battery is covered by warranty for 1,000 charges and 4,942 acres of flight; this ultra-long service life significantly reduces operating costs. The charging station and smart charginghub can fully charge a battery in 10 minutes, allowing for continuous operation with just two batteries and one charger. The standard safety box helps ensure battery safety and easy equipment storage.

DJI Agras T30 Intelligent Flight Battery

The 29,000mAh Intelligent Flight Battery has a product guarantee of 1,000 cycles. It supports instant charging without the need for cooldown, circuit board-level potting protection, and resistance from water and corrosion.

DJI Agras T30 Intelligent Battery Station

The T30 Battery Station provides 7,200 watts of charging power and can charge a battery in 10 minutes. It also has a backup power system and supports dual-channel alternated charging with power adaptation and safer operation.

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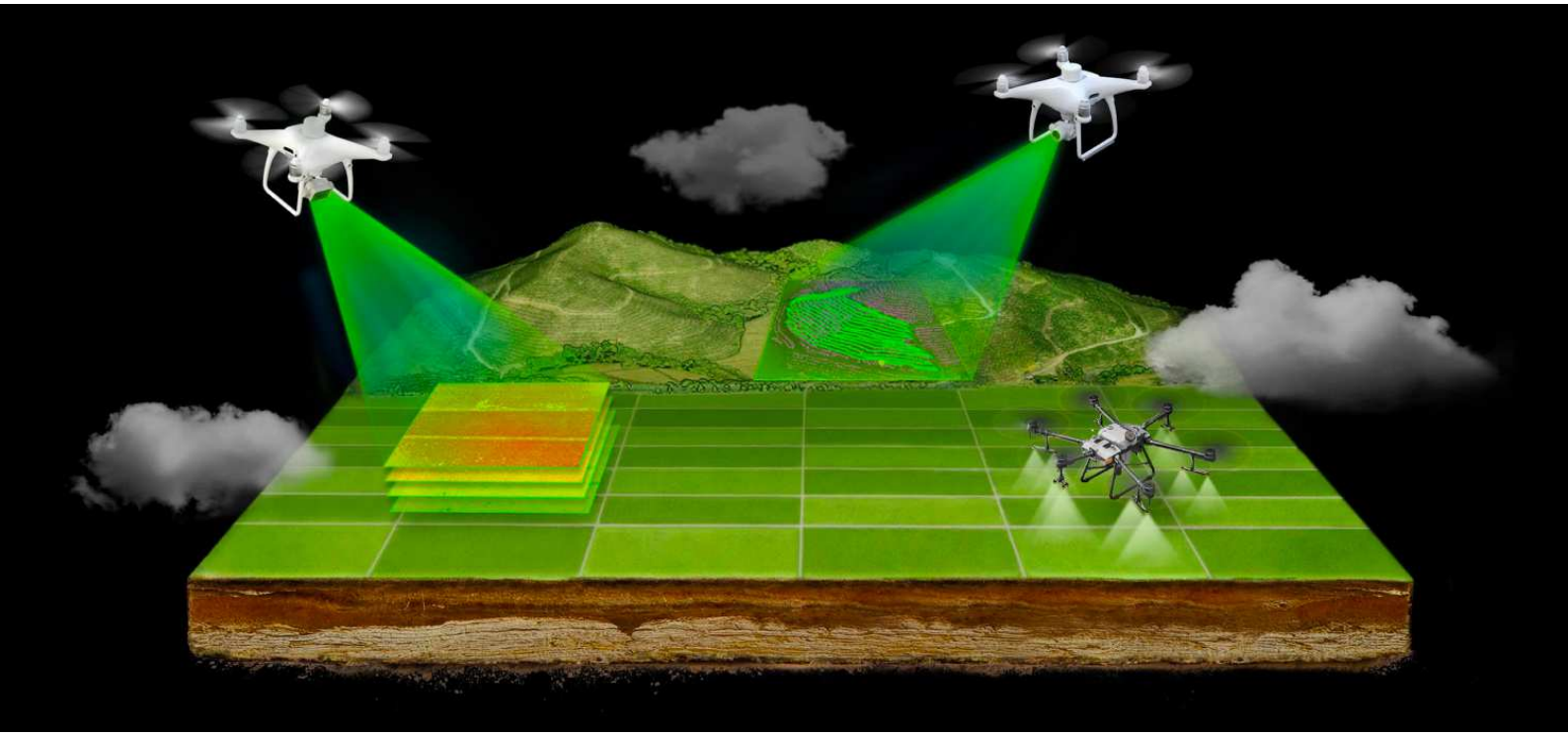
Cloud-Based 3D Farming: Digital Agriculture is Here

With the Smart Agriculture Cloud Platform, users can perform cloud-based mapping of orchard and farmland scenarios to generate smart flightpaths. This platform is equipped with an AI recognition system to patrol fields, identify growth, monitor disease or pests, and monitor agricultural conditions efficiently. Pairing this system with the DJI P4 Multispectral allows users to apply solutions based on specific variables according to an automatically-generated farmland prescription map.



Features

Hourly work efficiency: 40 acres
High-precision radar: √ Spherical Omnidirectional Radar System
Remote control planning accuracy: √ (RTK/GNSS)
Pipe air exhaust: √ One button Air Discharge
3D operation planning by the AI smart engine:√
High-precision flowmeter: √ (Dual-channel electromagnetic flowmeter with an error of ±2%)
Level gauge: Continuous level gauge (with real-time pesticide load detection and intelligent supply-point prediction)
Maximum spray flow: 7.2L/min (with the XR11001 nozzle)
8L/min (with the XR110015 optional nozzle)
Pesticide tank installation method: Fixed pesticide tank
Battery installation method: Removable batteries
Single remote control for multiple drones: √ (Single remote control for up to three drones)
D-RTK technology: √
Top-view radar module: √
Flight laser function: √
Intelligent endurance/return function: √
Intelligent supply-point prediction: √
Front-view FPV: √
Rear-view FPV: √
Coordinated turning function: √
Branch targeting technology: √

Drone Parameters

Total weight (without batteries): 26.4 kg
Maximum take-off weight: 76.5 kg (near sea level)
Maximum thrust-to-weight ratio: 1.70 @ takeoff weight of 66.5 kg
Hovering precision (with good GNSS signal): With D-RTK enabled: ±10 cm (horizontal) and ±10 cm (vertical)
With D-RTK disabled: ±0.6m (horizontal) and ±0.3m (vertical) (with the radar function enabled: ±0.1m)
RTK and GNSS frequency bands:
RTK: GPS L1/L2, GLONASS F1/F2, BeiDou B1/B2, and Galileo E1/E5
GNSS: GPS L1, GLONASS F1, and Galileo E1
Maximum power consumption: 11,000 W
Hovering power consumption: 10,000 W (@ takeoff weight of 66.5 kg)
Hovering endurance:
20.5min (@29,000 mAh & takeoff weight of 36.5 kg)
7.8min (@29,000 mAh & takeoff weight of 66.5 kg)
Maximum pitch angle: 15°
Maximum operating flight speed: 7 m/s
Maximum level speed: 10 m/s (with good GNSS signal)
Maximum tolerable wind speed: 8 m/s
Maximum flight altitude: 4,500m
*Reduce the pesticide load by 12% for each increase of 1,000 meters in altitude.
Recommended operating ambient humidity: < 93%
Recommended operating ambient temperature: 0℃ to 45℃

Chassis Parameters

Maximum rotor distance: 2,145 mm
Dimensions:
2,858 mm × 2,685 mm × 790 mm (with arms and blades unfolded)
2,030 mm × 1,866 mm × 790 mm (with arms unfolded and blades folded)
1,170 mm × 670 mm × 857 mm (with arms folded)

Power system - Motor

Stator size:100×18 mm
KV value: 77 rpm/V
Maximum pull: 18.7 kg/rotor
Maximum power: 3,600 W/rotor
Weight: 756 g

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